

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 October 2004 (21.10.2004)

PCT

(10) International Publication Number
WO 2004/091166 A1

(51) International Patent Classification⁷: H04L 29/06, 9/32

(21) International Application Number:
PCT/JP2004/002928

(22) International Filing Date: 5 March 2004 (05.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003-100866 3 April 2003 (03.04.2003) JP

(71) Applicant (for all designated States except US): MAT-
SUSHITA ELECTRIC INDUSTRIAL CO. LTD.
[JP/JP]; 1006, Oaza Kadoma, Kadoma-shi Osaka,
5718501 (JP).

(72) Inventor; and

(75) Inventor/Applicant (for US only): HAMAI, Shinji.

(74) Agent: NII, Hiromori; C/O NII Patent Firm, 3rd Floor,
Shin-Osaka Suehiro Center Bldg., 11-26, Nishinakajima
3-chome, Yodogawa-ku, Osaka-shi, Osaka, 5320011 (JP).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

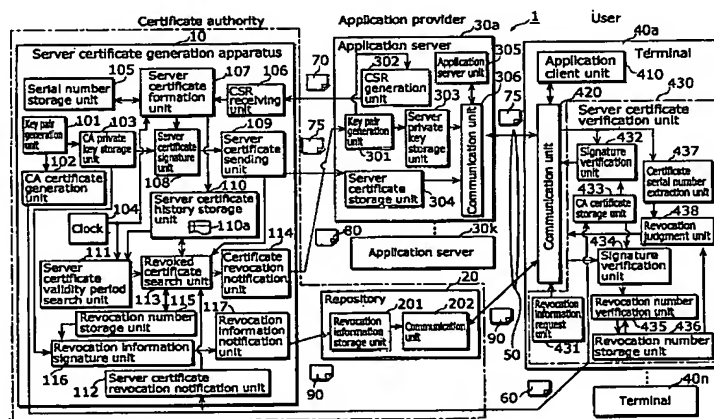
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: APPARATUSES, METHODS AND COMPUTER SOFTWARE PRODUCTUS FOR JUDGING THE VALIDITY OF
A SERVER CERTIFICATE



(57) Abstract: A terminal (40a) comprises: a revocation number verification unit (435) that obtains a revocation number from a repository (20) storing such revocation number that is information serving as a criterion for judging the validity of a server certificate (75); a revocation number storage unit (436) that stores the obtained revocation number; a certificate serial number extraction unit (437) that reads out, from the server certificate (75), an identification number for identifying such server certificate (75); a revocation judgment unit (438) that judges the validity of the server certificate (75) by comparing the read-out identification number with the revocation number stored by the revocation number storage unit (436); and a communication unit (420) that establishes a communication with an application server (30a) when the server certificate (75) is judged valid, and does not establish a communication with the application server (30a) when the server certificate (75) is judged invalid.